

INFORMATION REPORT

COUNTRY USSR

SUBJECT Analysis of Pharmaceutical "Streptourokafien"

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DATE
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DATE OF

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25X1A

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SUPPLEMENT TO
REPORT NO.

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labeled "Streptourokafien" which was acquired in the Siberian port of Nakhodka during July of 1950. A Soviet doctor had prescribed this medication for a skin infection. The package bore the following description of its contents:

White Streptocide	0.25 grams
Urotropine	0.25 grams
Methyl Caffeine	0.025 grams

The label indicated that the sample was manufactured in the Novosibirsk Chemical-Pharmaceutical Factory No. 35 and that the medicine was for grippe and neurological disorders.

1. The sample was subjected to the following analysis:

- Average weight of tablets: 0.573 grams
- The powdered mixture was extracted with chloroform and the residue was re-crystallized from hot water four times. The resultant crystals, dissolved in 2N H Cl, exhibited ultraviolet absorption spectrum identical with that of sulfanilamide.
- Examination of the crystals revealed that their properties were identical with those of sulfanilamide.
- Quantitative analysis by the ultraviolet baseline procedure revealed that each tablet contained 0.256 grams of sulfanilamide.

2. The evaluation of the sample analyzed is as follows:

- The Soviet "White Streptocide" is sulfanilamide.
- The product analyzed contains about 0.25 grams of sulfanilamide per tablet, in mixture with urotropine and methyl caffeine.
- Sulfanilamide has largely been superseded in American medical practice by more refined sulfa products with fewer undesirable side effects.

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